



High-Technology and the U.S. Economy

Chart Package

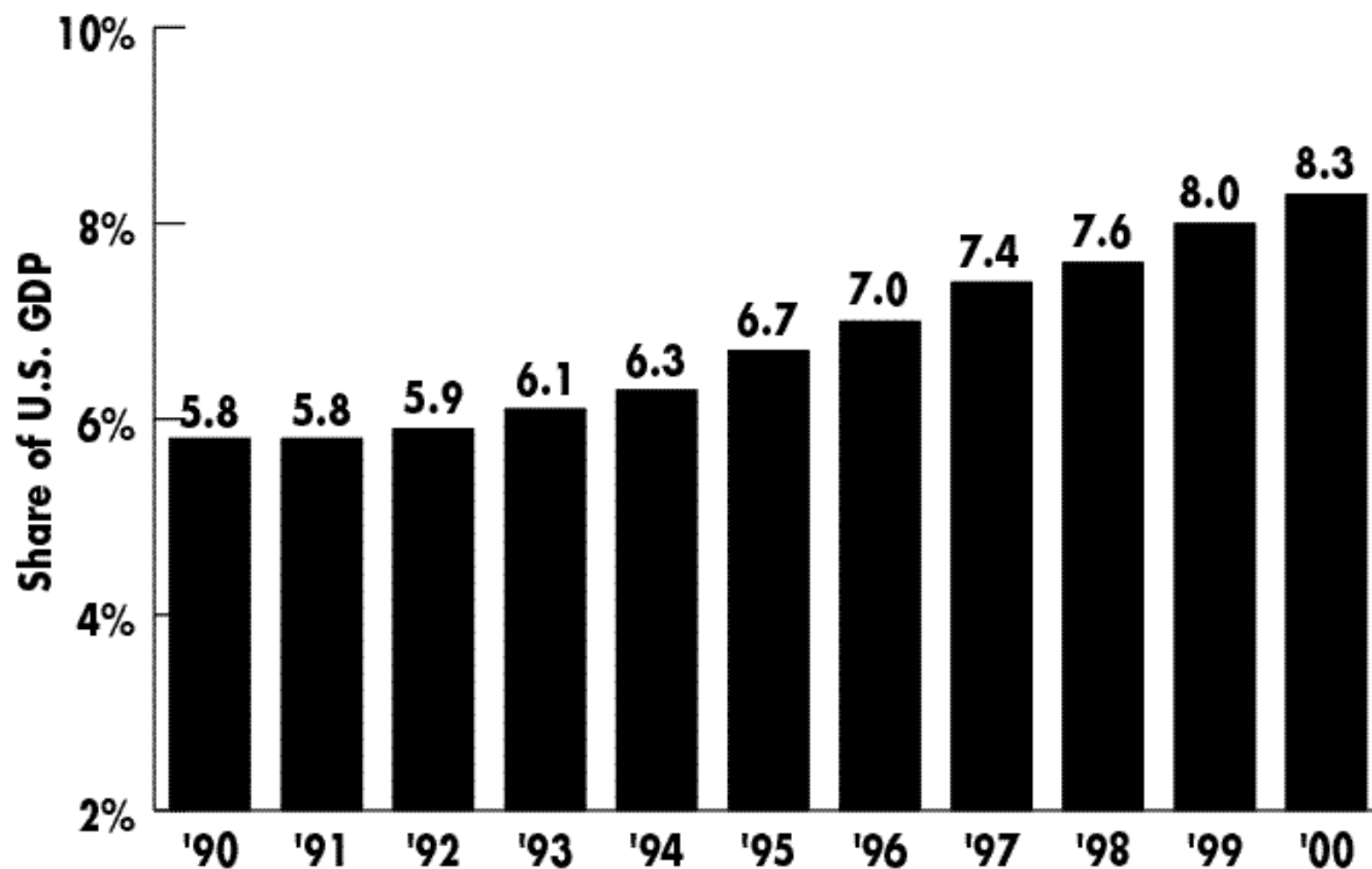
June 2000

Prepared by the Joint Economic Committee
Office of the Chairman, U.S. Senator Connie Mack
<http://jec.senate.gov>

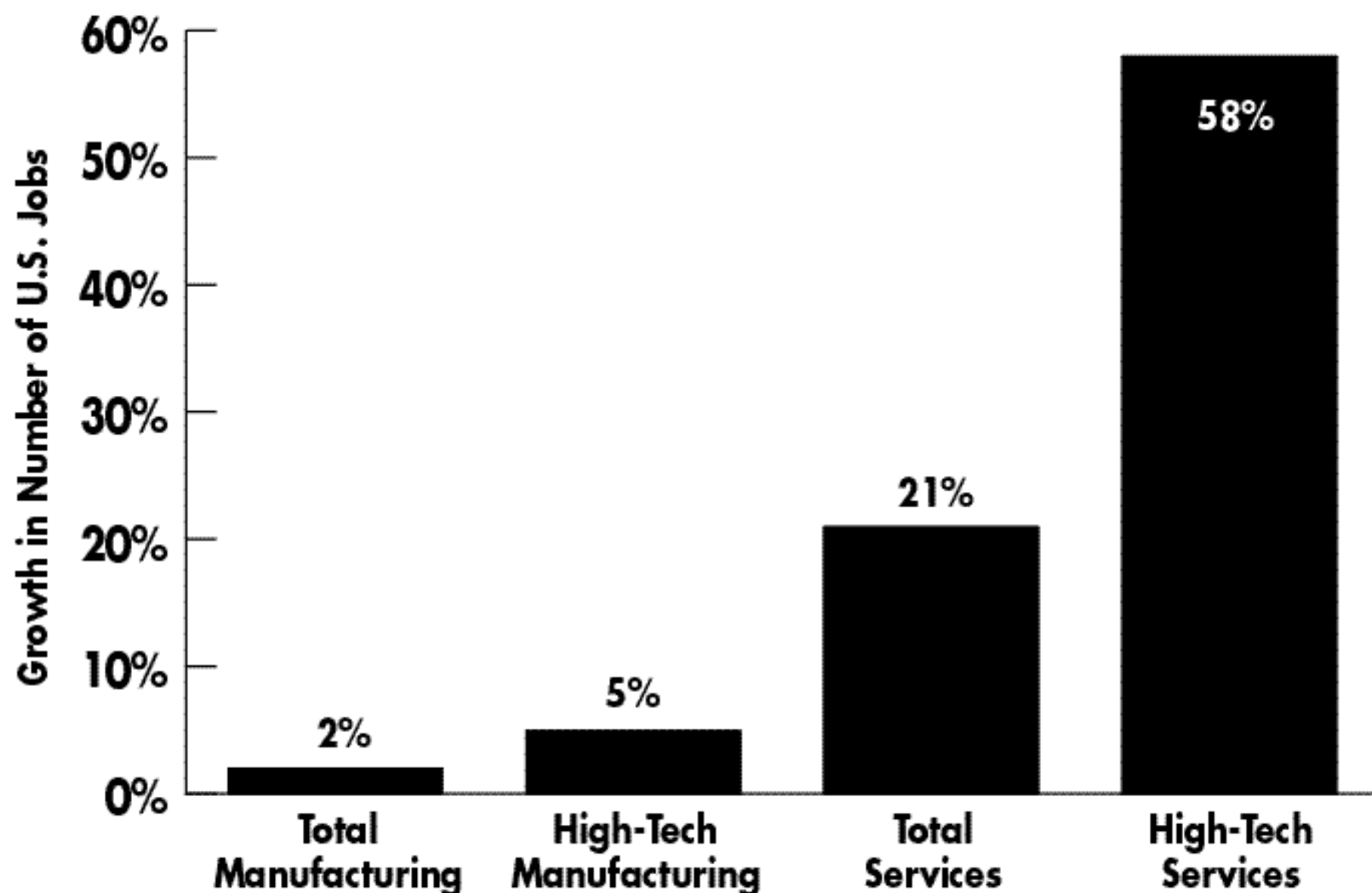
High-Tech and the U.S. Economy

- **The high-technology sector has been responsible for about one-third of real U.S. economic growth in recent years.**
- **High-tech industries account for over 8% of U.S. GDP.**
- **Employment in high-tech manufacturing and services industries has soared 32% during the past six years, twice the 16% growth rate in total U.S. jobs.**
- **In 1998, the average high-tech sector wage was 82 percent higher than the overall private sector average wage.**
- **High-tech trade in goods is surging with the value of U.S. high-tech exports more than doubling since 1990.**
- **U.S. industry is increasingly dependent on research, with the ratio of business R&D to GDP rising from less than 1.0% in the 1970s, to over 1.8% today.**
- **The share of U.S. households with personal computers is expected to rise from 54% in 2000 to 59% by 2004. (Forrester Research)**
- **The share of U.S. households with Internet access is expected to rise from 52% in 2000 to 65% by 2004. (Forrester Research)**
- **The share of U.S. households with cell phones is expected to rise from 56% in 2000 to 65% by 2004. (Forrester Research)**

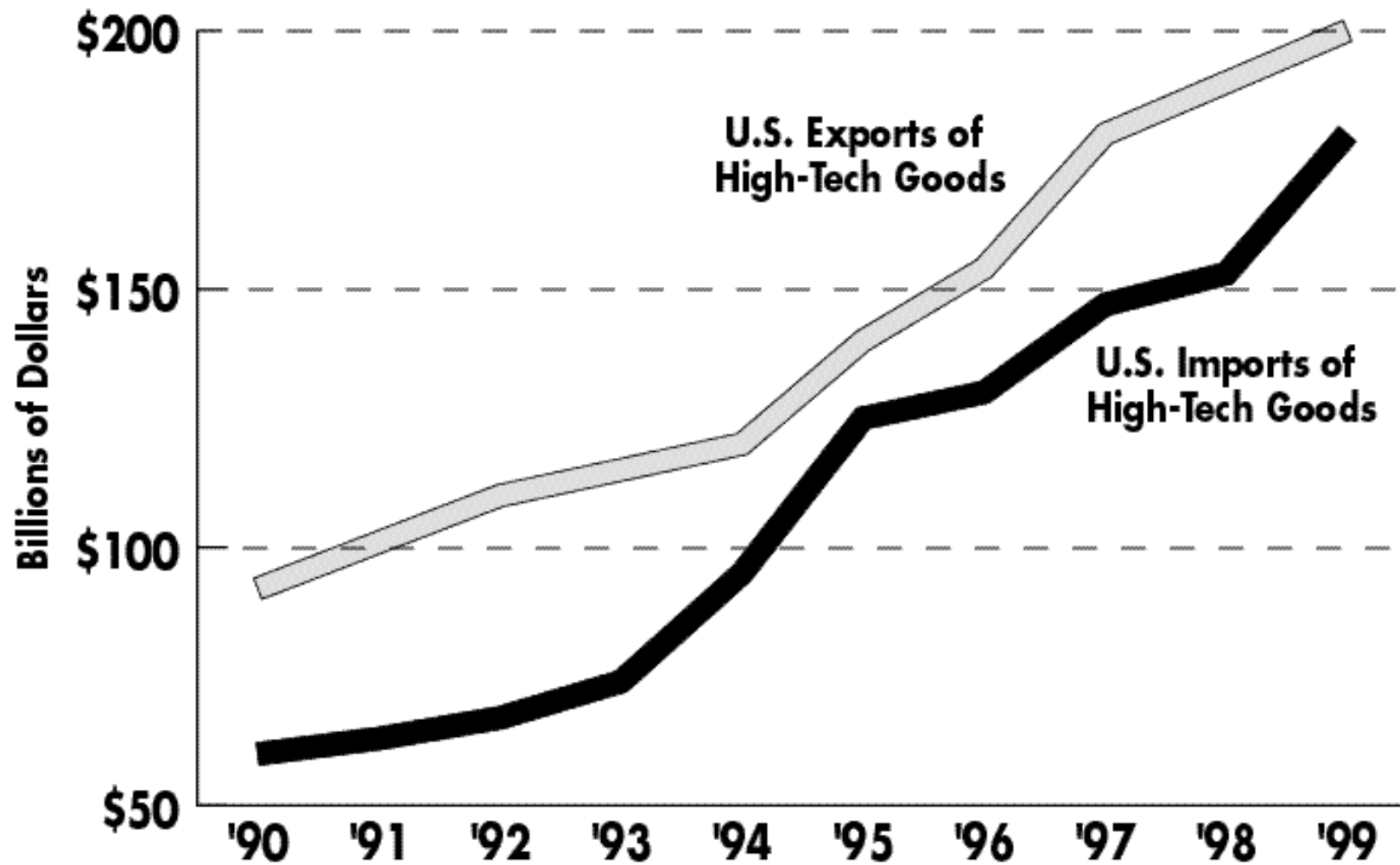
Growth in the High-Technology Share of U.S. GDP



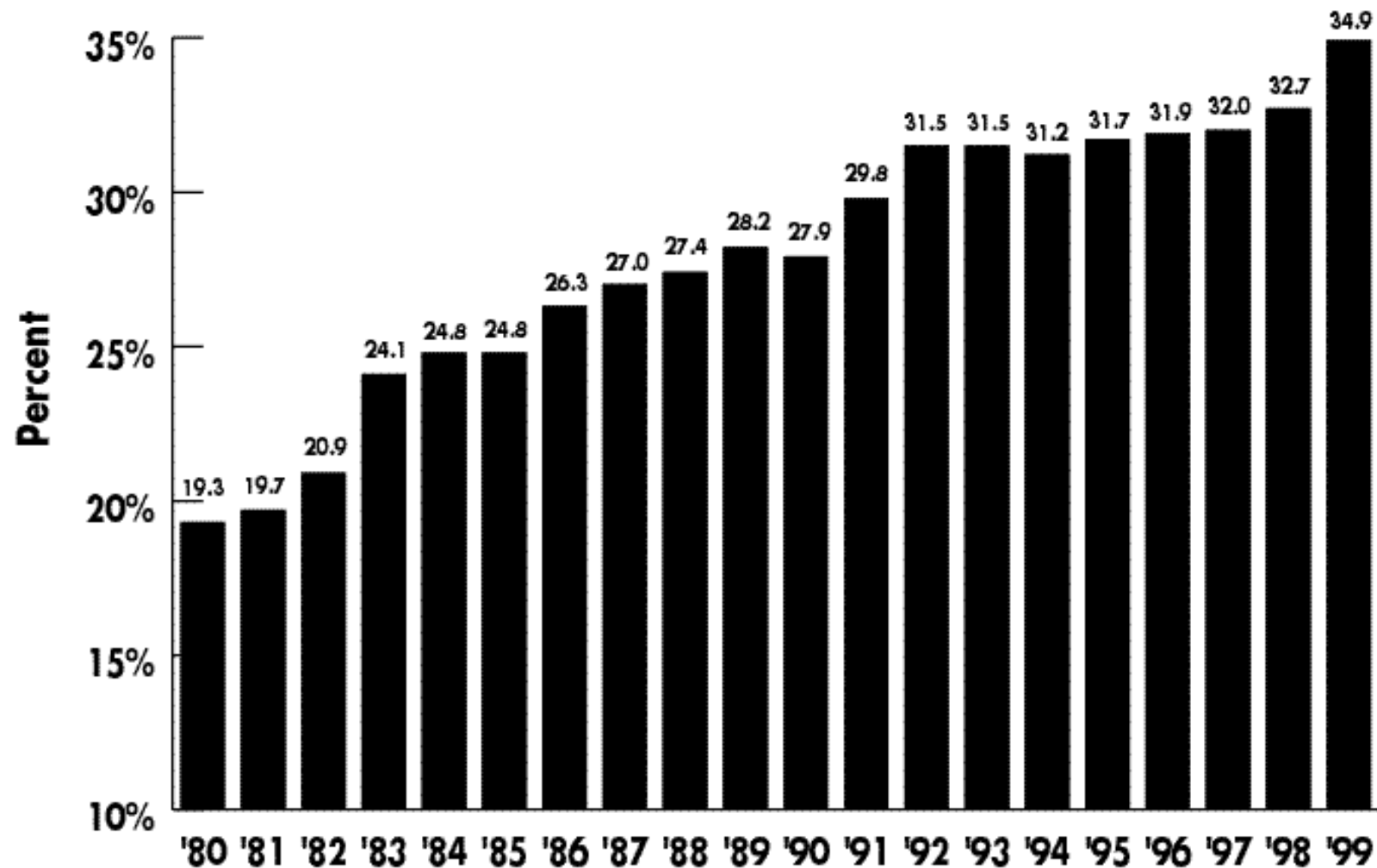
High-Tech Job Growth Has Outpaced Total Manufacturing and Services Job Growth, 1993-99



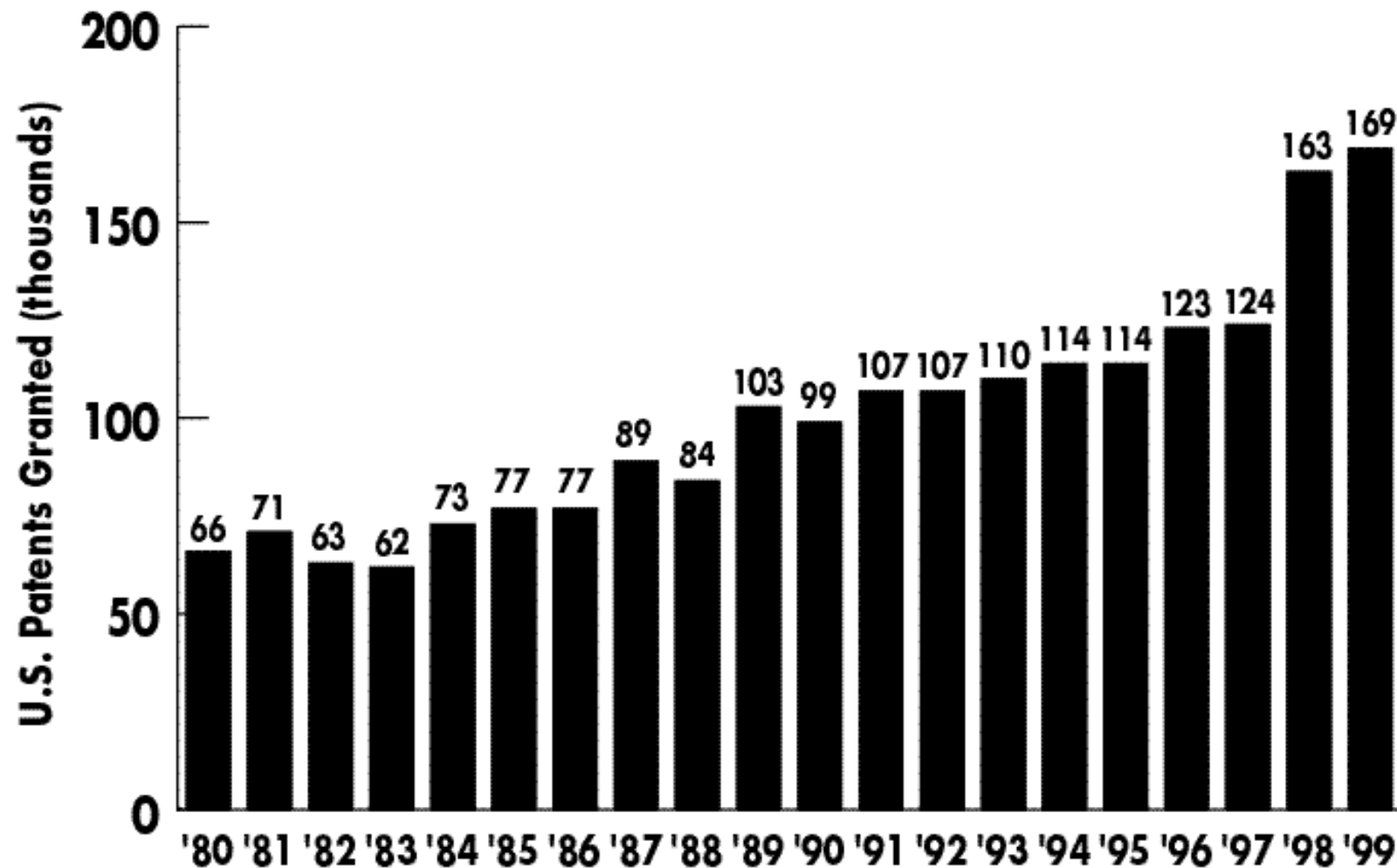
U.S. Trade in High-Tech Goods Booms



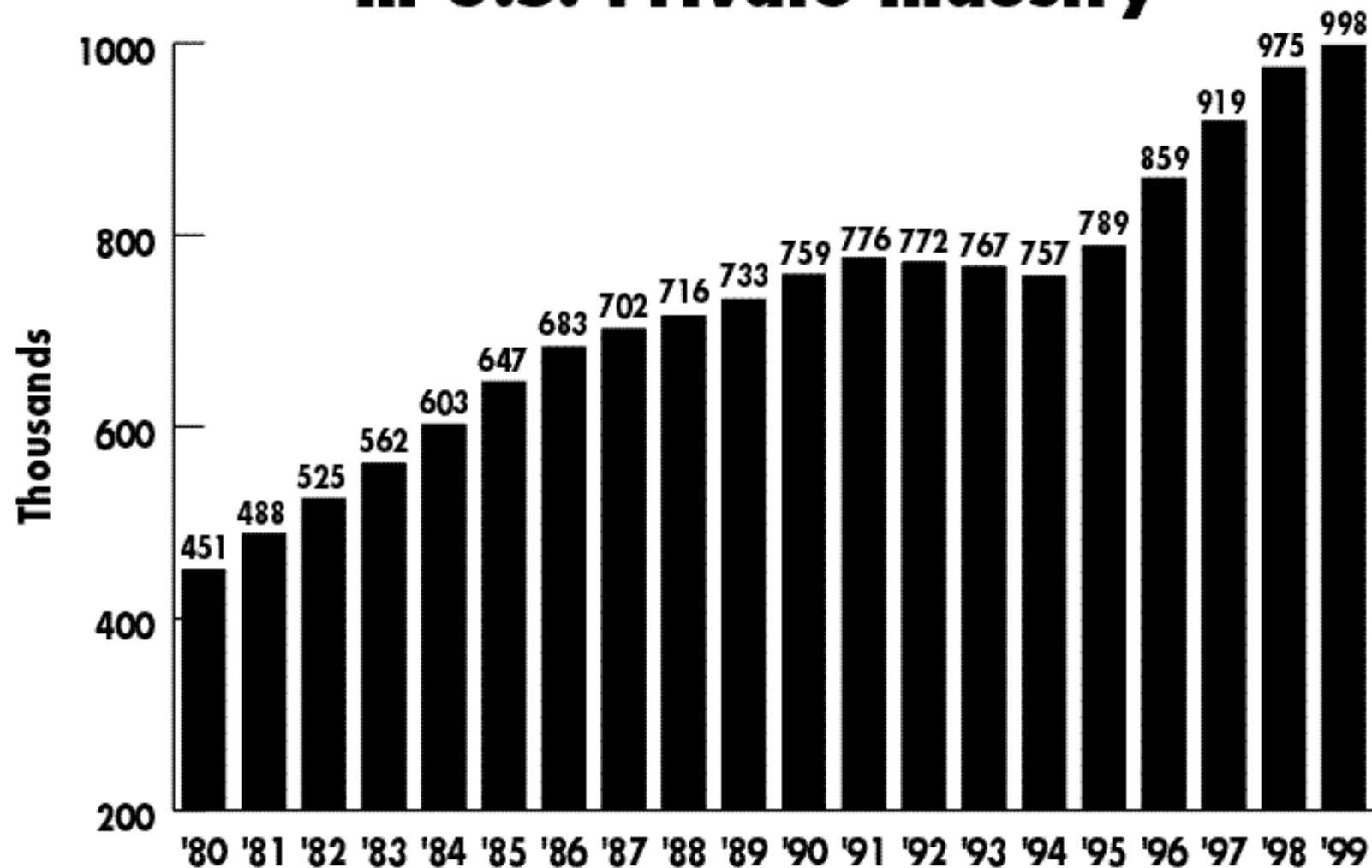
Investment in Information Technology (IT) as a Percent of Total U.S. Nonresidential Investment



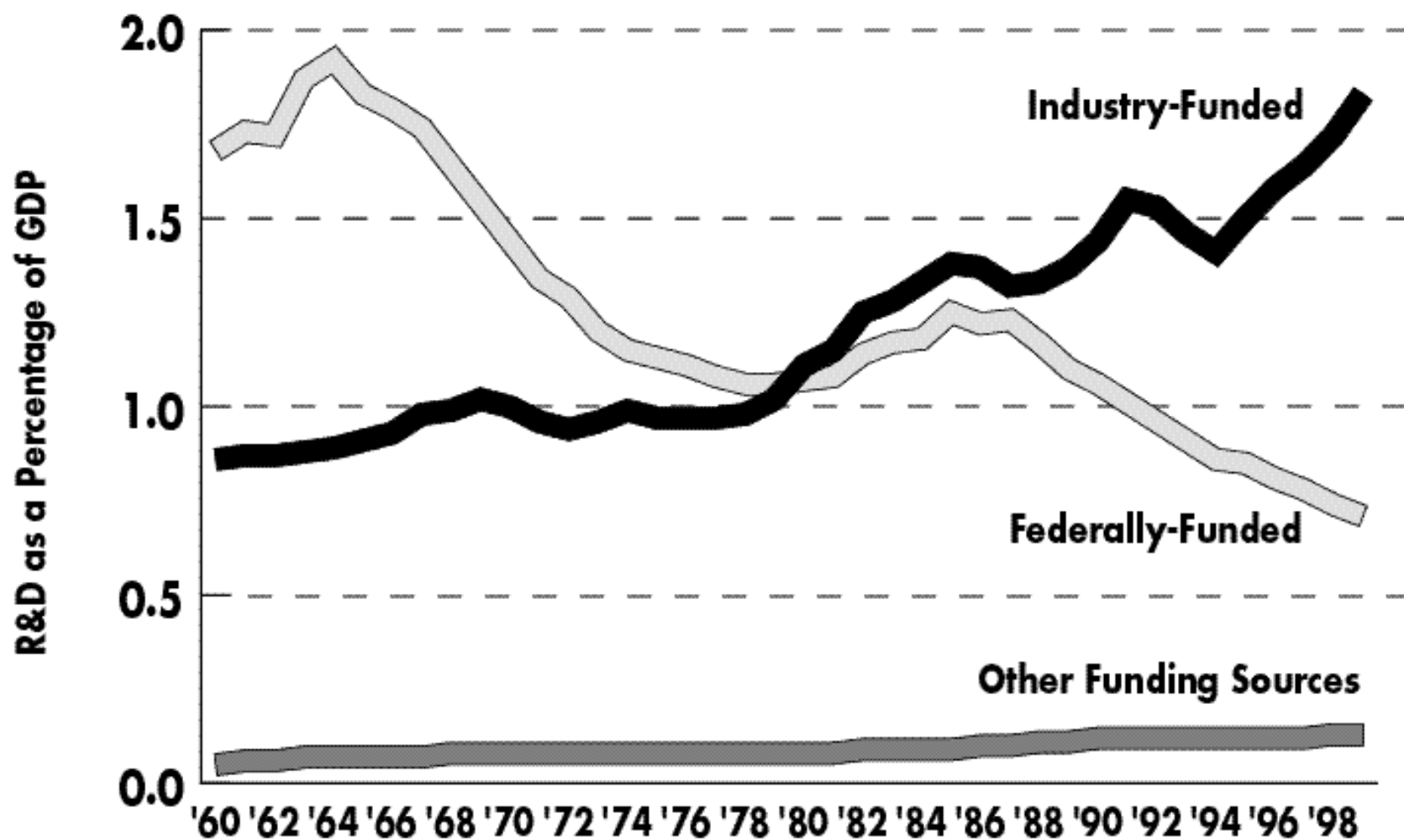
The Number of U.S. Patents Granted Grows With the Rise of the "Knowledge Economy"



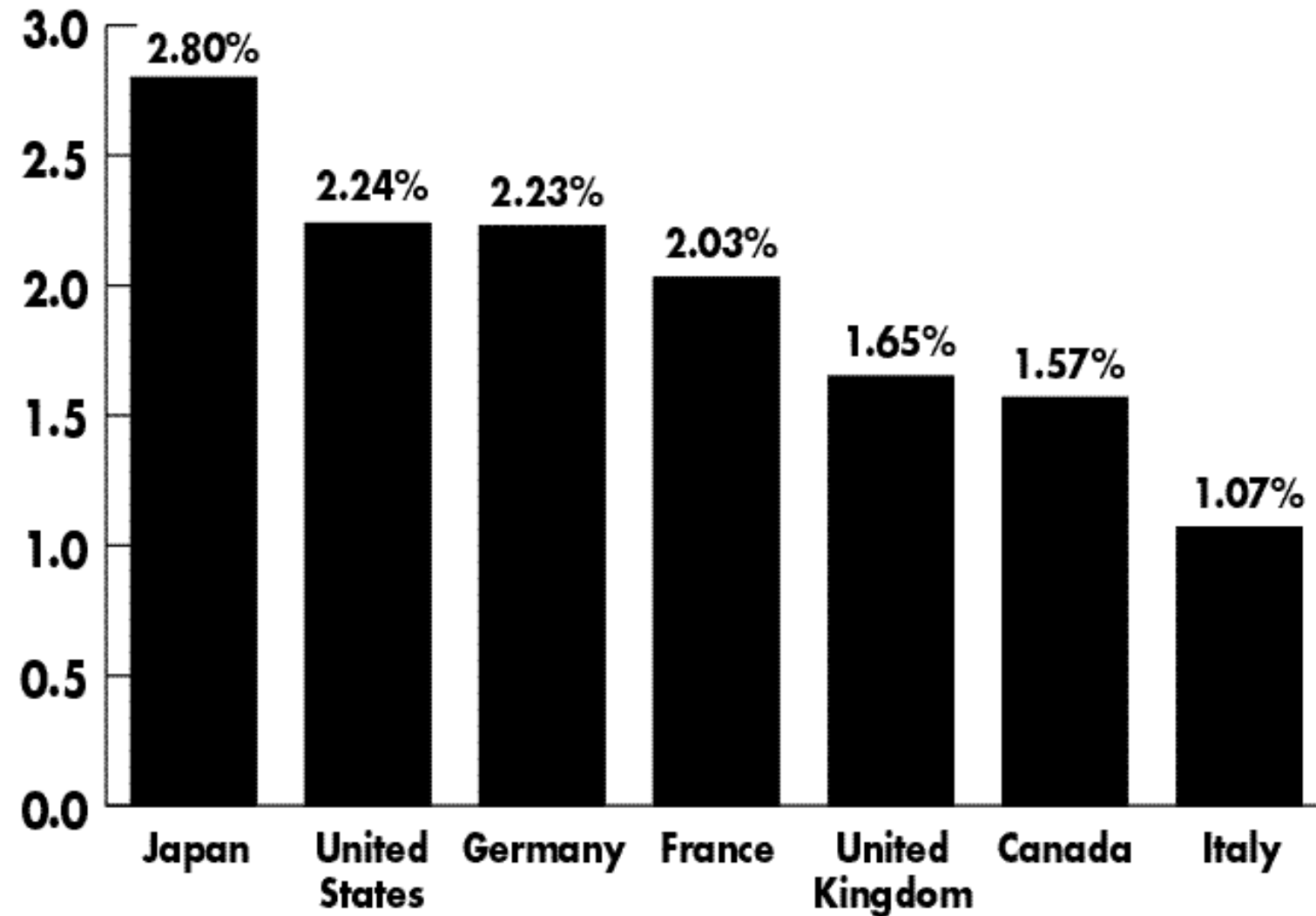
R&D Scientists and Engineers in U.S. Private Industry



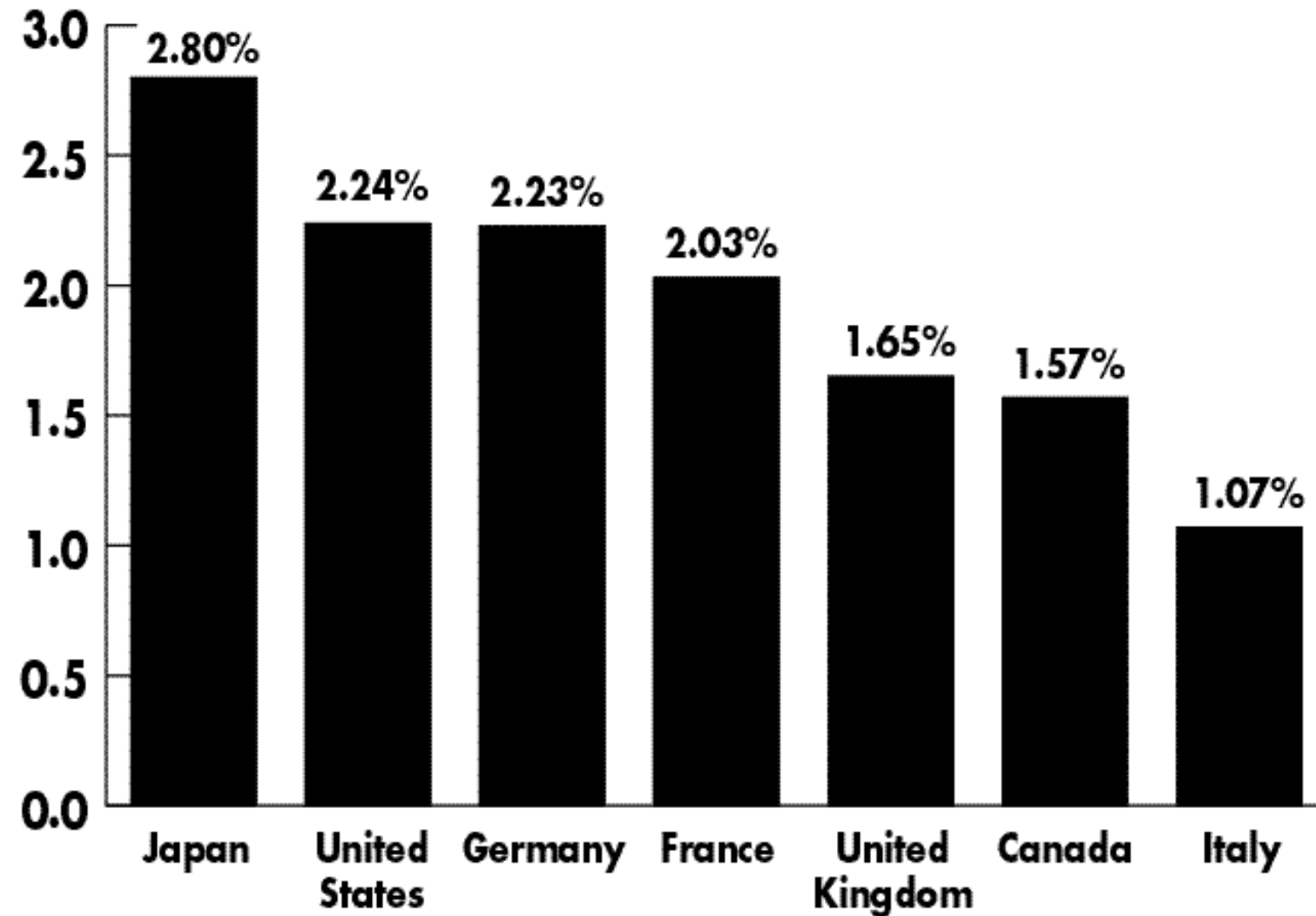
U.S. R&D Expenditures by Funding Source



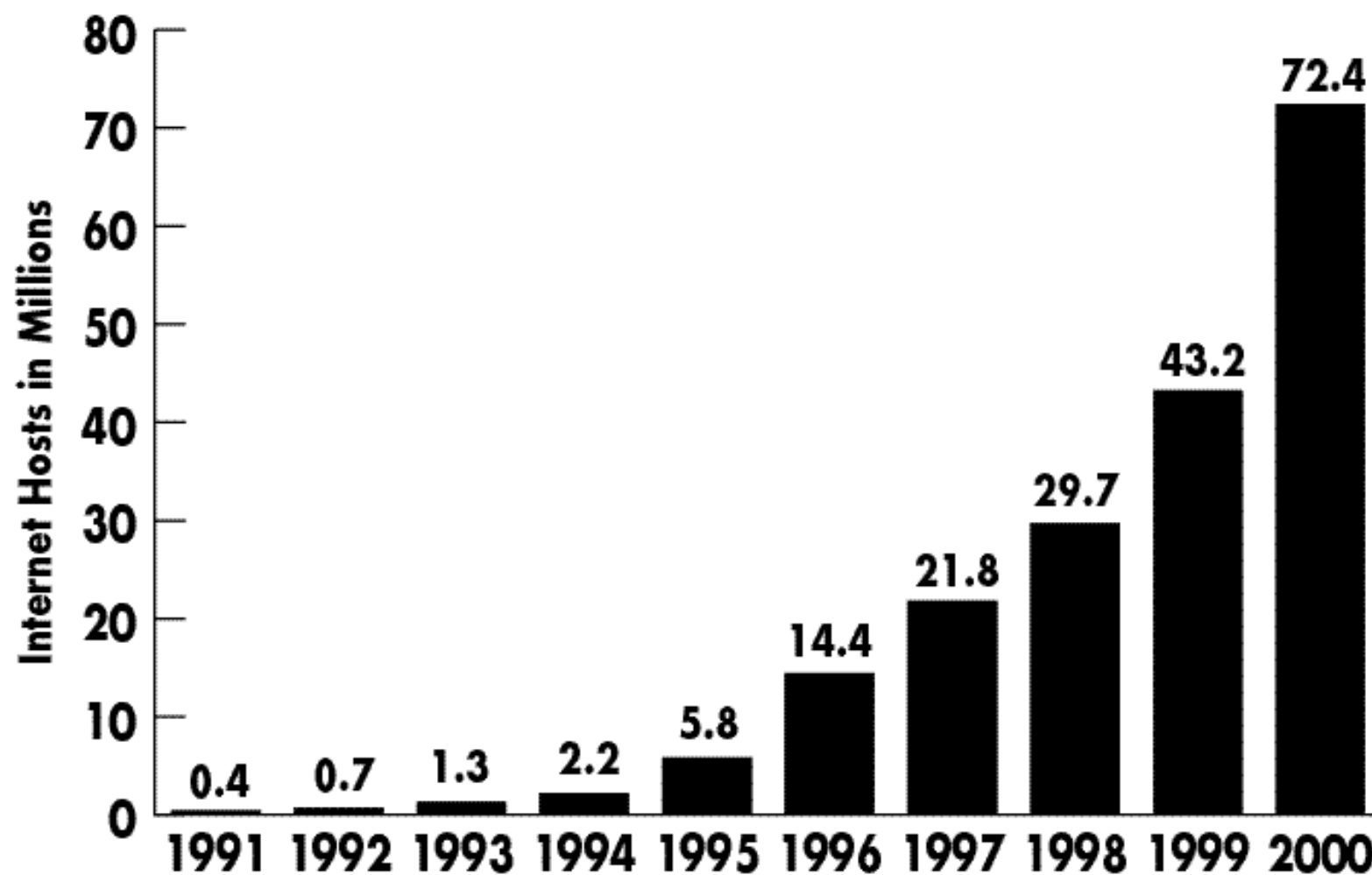
Nondefense R&D as a Percentage of GDP



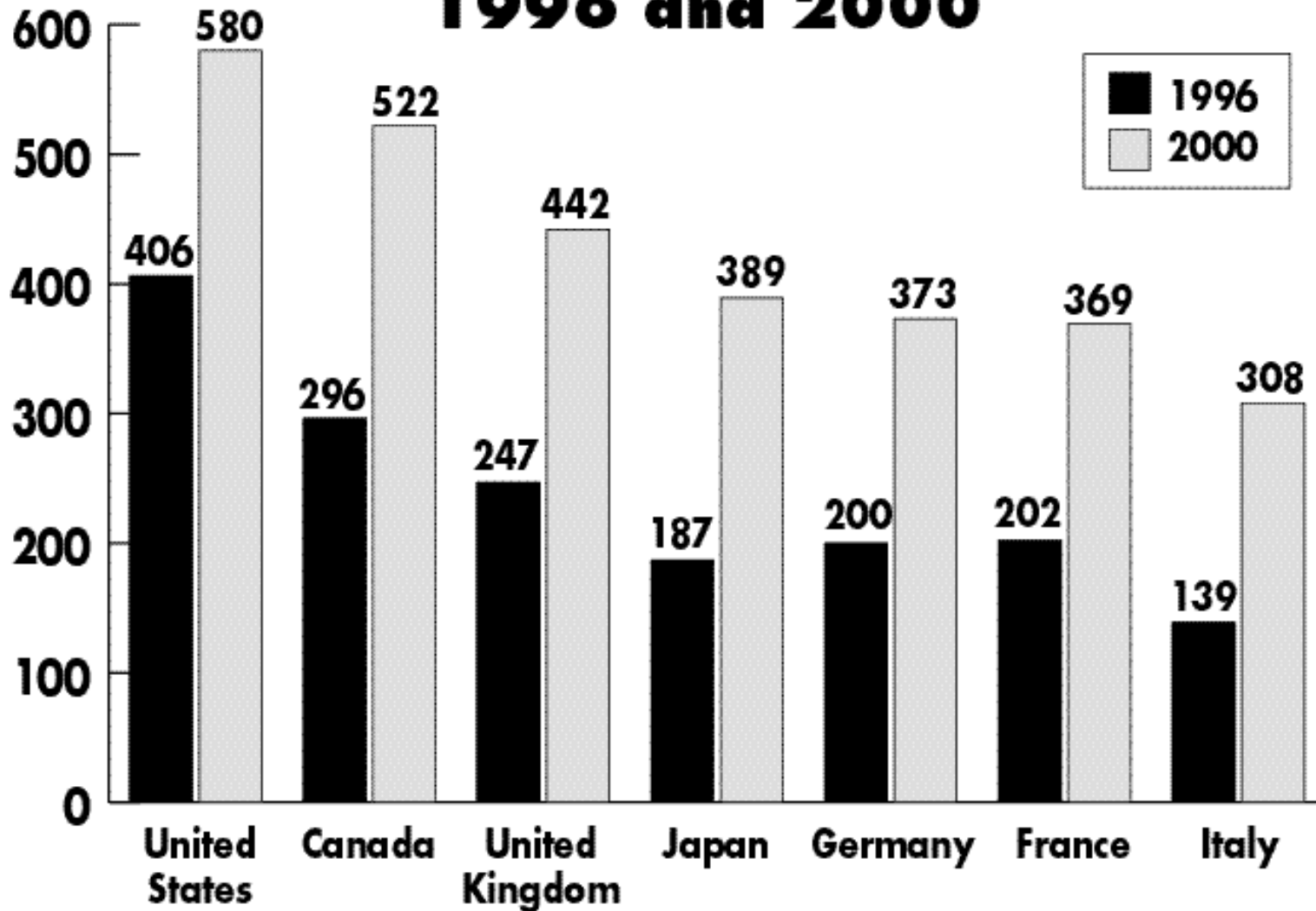
Nondefense R&D as a Percentage of GDP



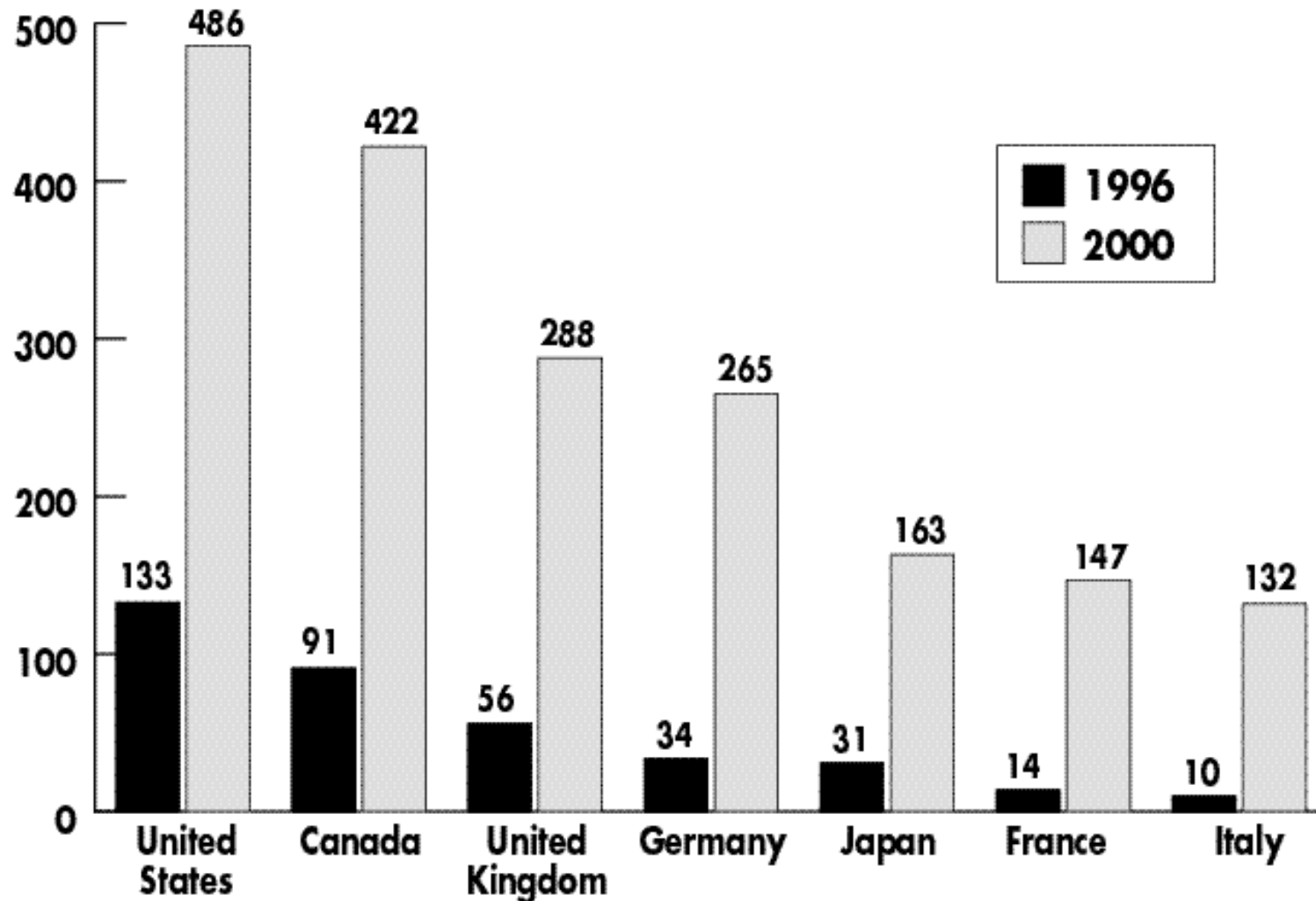
World Internet Host Computers Have Mushroomed



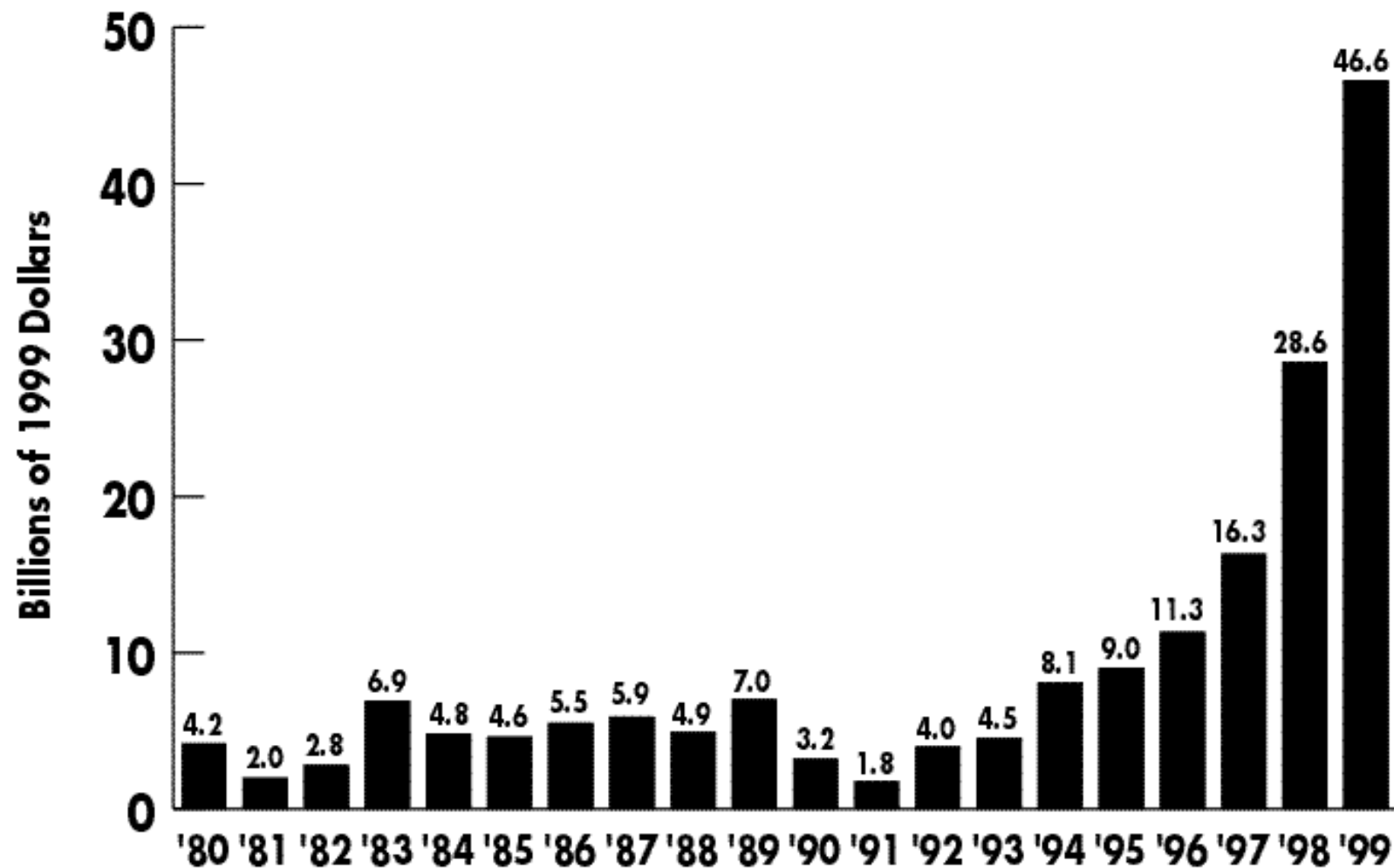
Personal Computers per 1,000 Population 1996 and 2000



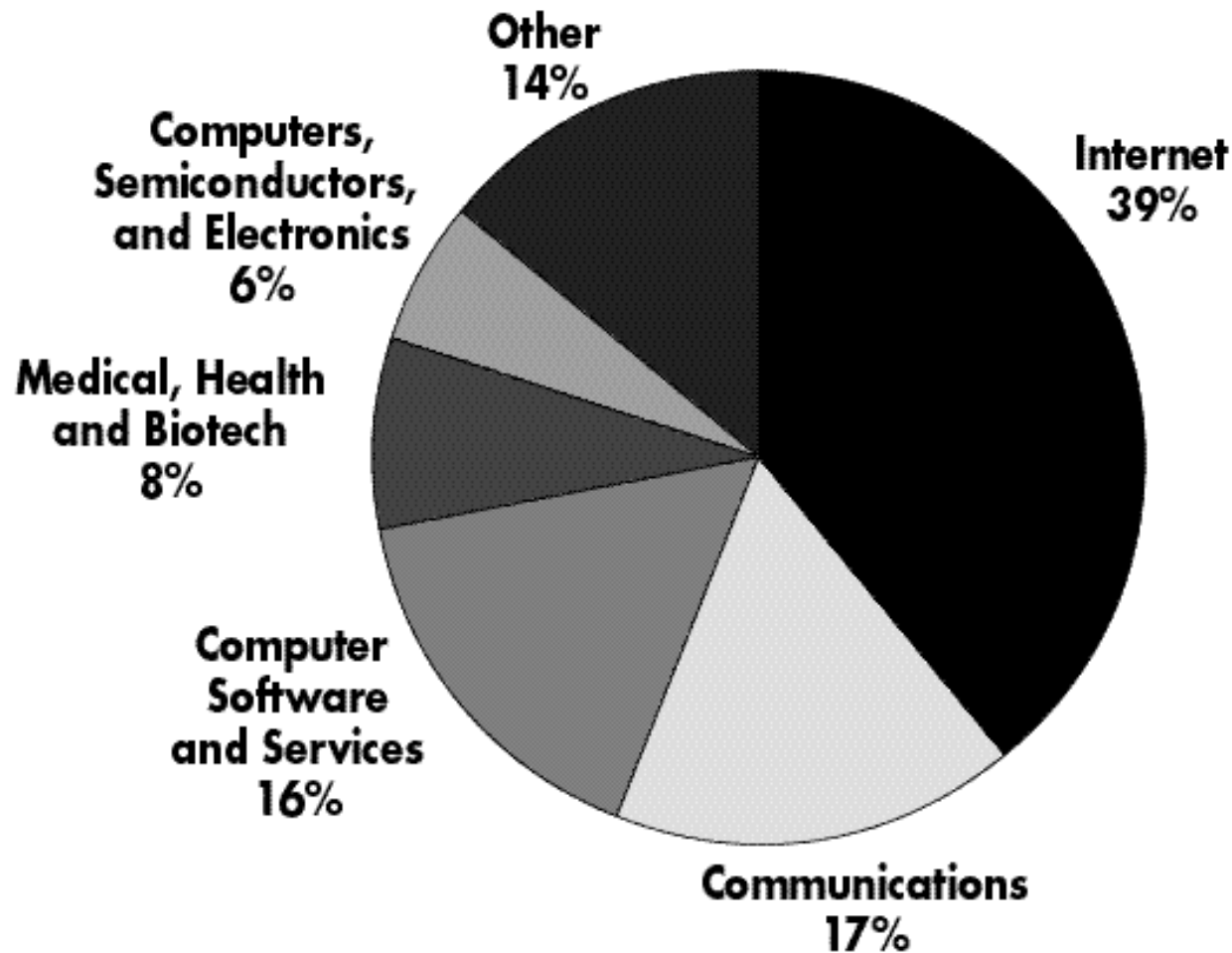
Internet Users per 1,000 Population 1996 and 2000



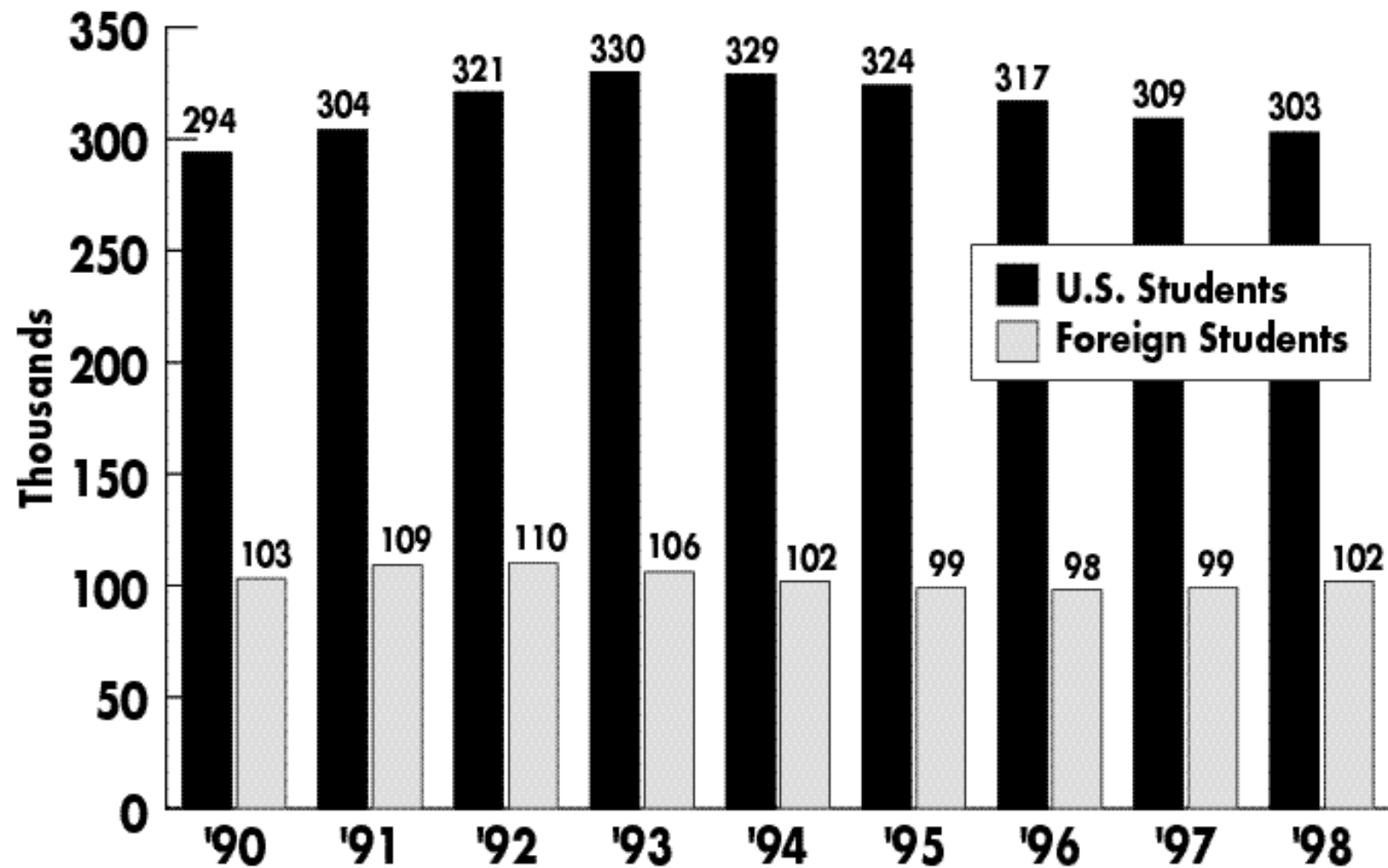
U.S. Venture Capital Investments



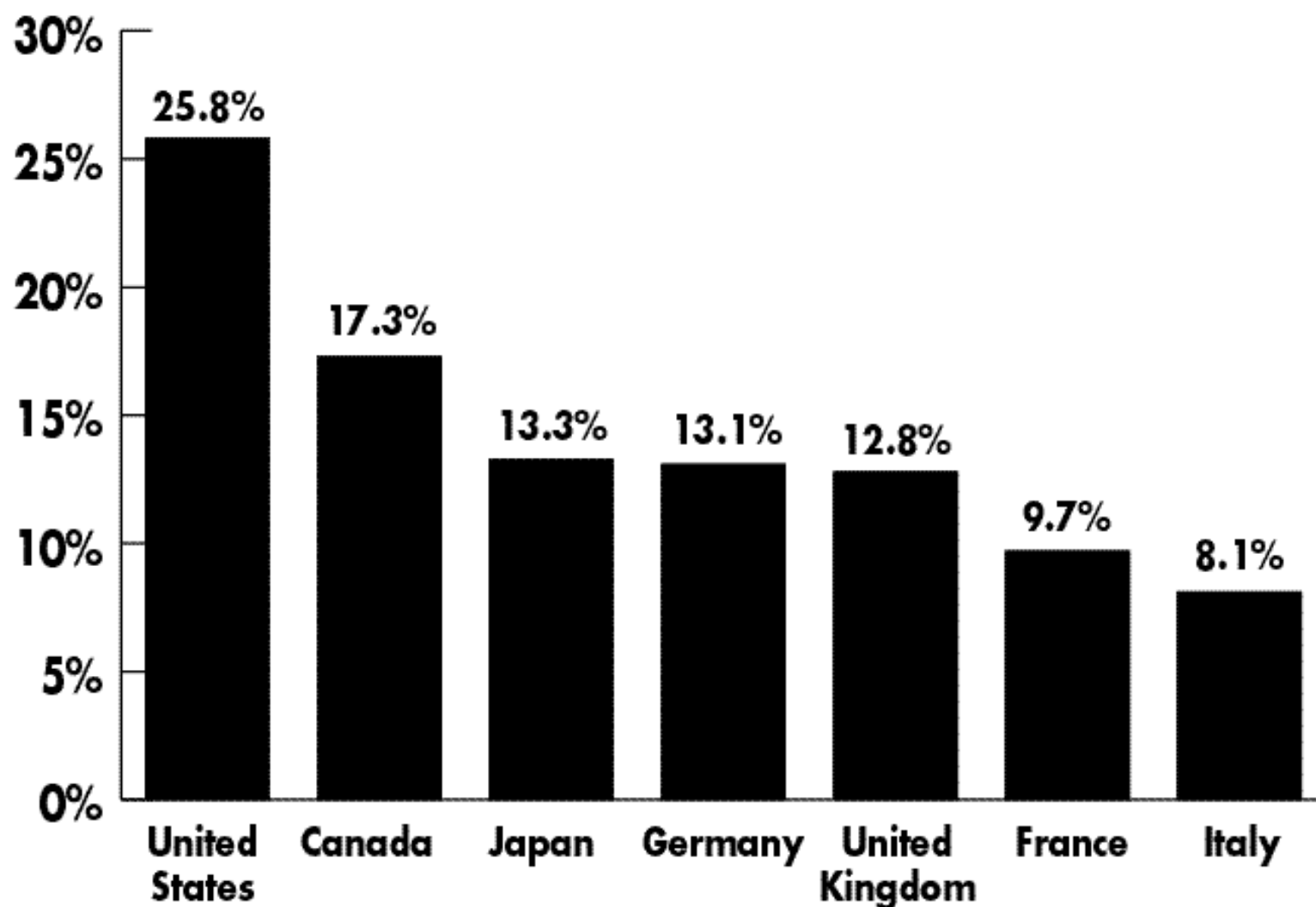
U.S. Venture Capital Investments



Graduate Enrollment in Science and Engineering at U.S. Universities



Percent of Population (Aged 25-64) Who Have Completed a Higher Education Degree



Average of Science and Math Scores in International School Proficiency Study

